Supplementary Information

Cytotoxicity of Phosphoramidate, Bis-amidate and CycloSal Prodrug Metabolites Against Tumour and Normal Cells

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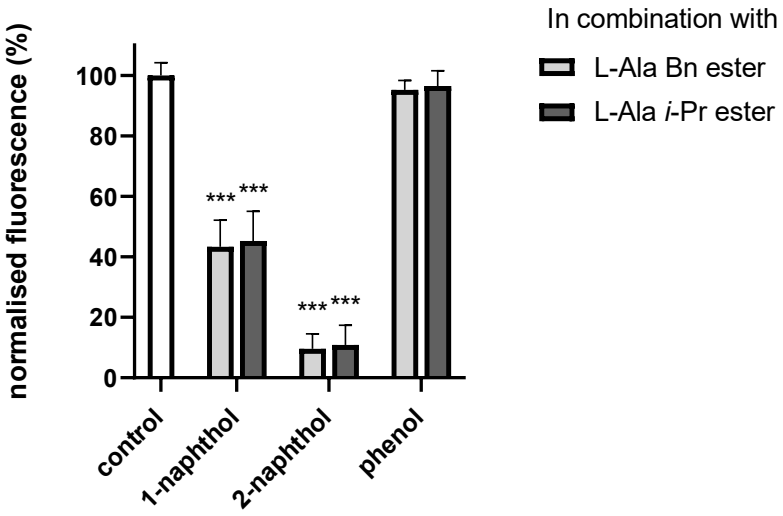

Figure S1: Viability of BxPC3 cells treated with the combined L-alanine ester and aryl alcohol moieties of phosphoramidate prodrugs. Cells were treated with 128 µM of the aryl alcohol and L-alanine ester for 72 hours. Cell viability was then measured by CyQUANT assay, and the plate was imaged using the Amersham™ Typhoon 5™ laser scanning imaging platform with a Cy2 emission filter (Ex: 488 nm and Em: 520 nm) and a pixel resolution of 100 µm. Statistical significance is relative to the control. *** $p \leq 0.001$. Data is shown as mean ± S.D of three independent experiments with four replicates per condition.

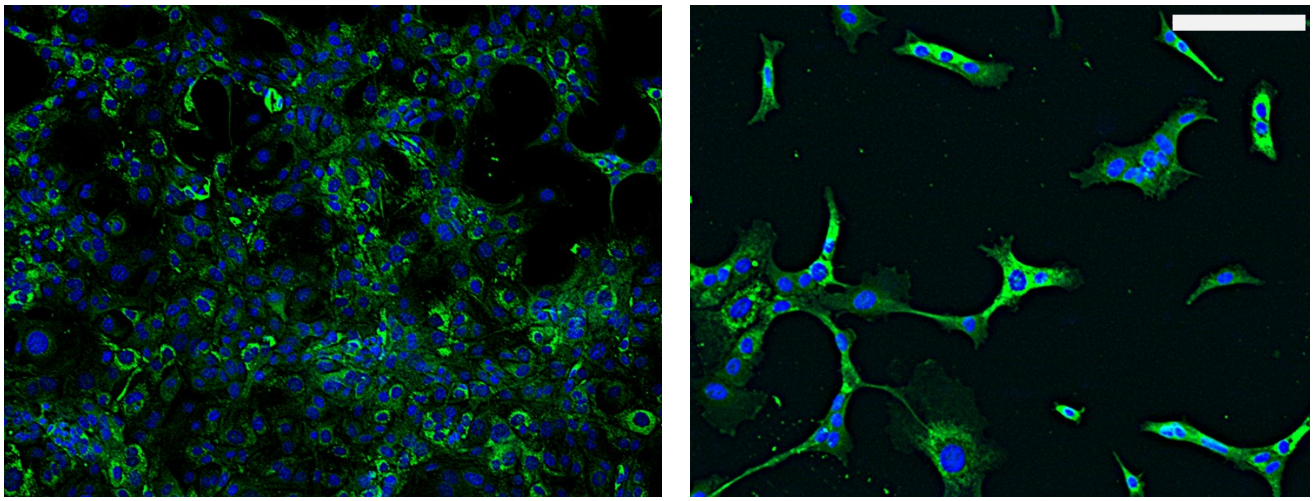

Figure S2: Purity of primary cultured mouse astrocytes confirmed by immunohistochemistry. The astrocytes were stained with rabbit anti-mouse antibody and then revealed with AF488 conjugated goat anti-rabbit secondary antibody. The images are from different fields of the cover slip with different cell density. The green represents the positive staining of GFAP while the nuclei are stained with DAPI. The white bar represents 50 µm. The purity of the astrocytes is greater than 90%, checked under BX61WI microscope equipped with CoolSNAP HQ^2 camera and images were analysed with CellSense Dimension software.